

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 -31. (Canceled)

32. (Currently amended): A system for recovering data from a signal, said signal comprising a plurality of groups of pulses, the system comprising:
detection means for detecting one of said groups of pulses;
measurement means, coupled to said detection means, for measuring one or more parameters which characterize said one of said groups of pulses; and
symbol means, coupled to said measurement means, for mapping said one or more of said parameters to an information symbol.,
said measurement means comprising:
first and second pipelines, each having an input and an output, each configured to produce measurements for two or more groups of pulses, said second pipeline further configured to provide a delay of one group;
a first delay unit coupled to said first pipeline output;
a second delay unit coupled to said second pipeline output; and
a decision component having an input, said first and second delay units coupled to said input,
said first and second delay units configured to provide a delay during processing of said two or more groups of pulses.

33. (Original): The system of claim 32 wherein said one or more parameters includes parameters selected from the group consisting of: a group period (T1), a pulse width (T2), a pulse separation (T3), a silent period (T4), and number of pulses (Np).

1 34. (Original): The system of claim 32 wherein said one or more parameters
2 is based on a timing relationship between said groups of pulses.

1 35. (Original): The system of claim 32 wherein said symbol means for
2 mapping produces said information symbol based on at least two of said parameters.

36. (Canceled)

1 37. (Currently amended): The system of claim ~~36~~32 wherein said first and
2 second delay units each is configured to provide a variable delay, said variable delay depending
3 on a group period of a group of pulses.

38 - 46 . (Canceled)